

CLAIMS

1. A burner head having a fuel inlet and a firing portion through which fuel flows to be burnt, wherein the firing portion comprises a plurality of spaced apart elongate elements with elongate fuel flow passages therebetween.
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2. A burner head according to claim 1 wherein the plurality of spaced apart elongate elements are formed of wire.
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3. A burner head according to claim 2 wherein the wire is wedge wire having a generally triangular cross section oriented such that the fuel flow passages broaden out as the fuel flows through them to be burnt.
- 15 4. A burner head according to claim 2 wherein the wire is wedge wire having a generally triangular cross section oriented such that the fuel flow passages narrow inwardly as the fuel flows through them to be burnt.
- 20 5. A burner head according to claim 2, 3 or 4 wherein the firing portion is generally tubular and formed of spirally wound wire secured to support members running axially of the tube.
- 25 6. A burner head according to claim 2, 3 or 4 wherein the firing portion is generally tubular and formed of rings of wire secured to support members running axially of the tube.
7. A burner head according to claim 2, 3 or 4 wherein the firing portion is generally tubular and formed of straight pieces of wire aligned axially

and secured to generally circular support members running around the tube.

- 5 8. A burner head according to claim 5 wherein the support members are located within the tube.
9. A burner head according to claim 6 wherein the support members are located on the outside of the tube.
- 10 10. A burner head according to claim 5 wherein the tube is substantially parallel sided.
11. A burner head according to claim 6 wherein the tube tapers along part or all of its length.
- 15 12. A burner head according to any one of claims 1 to 4 wherein the firing portion is generally planar and formed of straight pieces of wire aligned in a first direction and secured to generally straight support members aligned in a second direction substantially perpendicular to the first direction.
- 20 13. A burner head according to any one of the preceding claims wherein the firing portion is reduced in area by masking selected fuel passages or selected lengths of fuel passages.
- 25 14. A burner head according to claim 13 wherein the masking is undertaken using a ceramic material.

15. A burner head according to any one of the preceding claims wherein it includes a plurality of firing portions.

16. A burner including a burner head according to anyone of the preceding claims.